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RAW SEQUENCE LISTING
 PATENT APPLICATION: US/10/010,580

DATE: 12/19/2001
 TIME: 10:32:09

Input Set : A:\ORT1458seqlst.txt
 Output Set: N:\CRF3\12192001\J010580.raw

3 <110> APPLICANT: thurmond, robin 1
 4 baker, sherry
 5 karlsson, lars
 7 <120> TITLE OF INVENTION: polynucleotide and polypeptide sequences of canine cathepsin

S 9 <130> FILE REFERENCE: ORT-1458
 C--> 11 <140> CURRENT APPLICATION NUMBER: US/10/010,580

C--> 11 <141> CURRENT FILING DATE: 2001-11-08

11 <160> NUMBER OF SEQ ID NOS: 4

13 <170> SOFTWARE: PatentIn version 3.1

15 <210> SEQ ID NO: 1

16 <211> LENGTH: 1126

17 <212> TYPE: DNA

18 <213> ORGANISM: canine

20 <400> SEQUENCE: 1

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23 cgttgtgctc ctatgcagtgc acataaatcc cactctggat catcaactgg	180
24 atctctggaa gaaaacctac agcaaacaat caaggaagag aatgaggaag tagcacggcg	240
25 tctcatctgg gaaaaaaaaatc taaaatttgat gatgcttcac aatctggaaac actcaatggg	300
26 aatgcattca tatgatctag gcatgaacca tctgggagac atgactgggt aagaagtgtat	360
27 atctttgatg gttccctga gagttccca gcaatggcag agaaatgtca cttataaggc	420
28 aaactctaattt cagaaatttc cttttttttt ggactggaga gagaagggtt gtgttactga	480
29 agtgaataac cagggttctt ttgggtctt aacccccc acgcgtgtgg gggccctgg	540
30 agcacaactg aagctaaaaa cagggaaagct ggtgtctctg agtgcacaga acttggtaga	600
31 ttgctcaact gaaaaatatg ggaataaaagg ctgcaatggc gttttcatga caactgcttt	660
32 ccagtatattt attgataaca acggcattttttt ttcagaagct tcctatccct acaaagccat	720
33 gaatggaaag tgcagatattt actcaaaaaa gcgagctgcc acatgttcaa agtataactga	780
34 acttccctttt ggcagtgaag atgccttaaa agaagctgtg gccaataaaag gacctgtgtc	840
35 tgtggctata gatgcgagcc actattctt cttctgtac agaagtgggt tctactatga	900
36 accatccctgt actcagaatg tgaatcatgg agtatttagt gttggctatg gtaacccat	960
37 tgaaaagac tactggctt tgaaaaacac ctggggctc aactttgggtt accaaggata	1020
38 tattcggatg gcaagaaacaa gtggaaatca ctgtgggatt gctagttatc ccttttaccc	1080
39 agaaatctag acctttcat ttataacaa gtccaaaaaa ttgaaacact ttctttaat	1126

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60 <210> SEQ ID NO: 2

61 <211> LENGTH: 331

62 <212> TYPE: PRT

63 <213> ORGANISM: canine

65 <400> SEQUENCE: 2

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69 20 25 30	
70 Lys Thr Tyr Ser Lys Gln Tyr Lys Glu Glu Asn Glu Val Ala Arg	
71 35 40 45	
72 Arg Leu Ile Trp Glu Lys Asn Leu Lys Phe Val Met Leu His Asn Leu	
73 50 55 60	
74 Glu His Ser Met Gly Met His Ser Tyr Asp Leu Gly Met Asn His Leu	
75 83	

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84	65	70	75	80												
87	Gly	Asp	Met	Thr	Gly	Glu	Glu	Val	Ile	Ser	Leu	Met	Gly	Ser	Leu	Arg
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91	Val	Pro	Ser	Gln	Trp	Gln	Arg	Asn	Val	Thr	Tyr	Arg	Ser	Asn	Ser	Asn
92																110
95	Gln	Lys	Leu	Pro	Asp	Ser	Val	Asp	Trp	Arg	Glu	Lys	Gly	Cys	Val	Thr
96																125
99	Glu	Val	Lys	Tyr	Gln	Gly	Ser	Cys	Gly	Ala	Cys	Trp	Ala	Phe	Ser	Ala
100																140
103	Val	Gly	Ala	Leu	Glu	Ala	Gln	Leu	Lys	Leu	Lys	Thr	Gly	Lys	Leu	Val
104																160
107	Ser	Leu	Ser	Ala	Gln	Asn	Leu	Val	Asp	Cys	Ser	Thr	Glu	Lys	Tyr	Gly
108																175
111	Asn	Lys	Gly	Cys	Asn	Gly	Gly	Phe	Met	Thr	Thr	Ala	Phe	Gln	Tyr	Ile
112																190
115	Ile	Asp	Asn	Asn	Gly	Ile	Asp	Ser	Glu	Ala	Ser	Tyr	Pro	Tyr	Lys	Ala
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119	Met	Asn	Gly	Lys	Cys	Arg	Tyr	Asp	Ser	Lys	Lys	Arg	Ala	Ala	Thr	Cys
120																220
123	Ser	Lys	Tyr	Thr	Glu	Leu	Pro	Phe	Gly	Ser	Glu	Asp	Ala	Leu	Lys	Glu
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127	Ala	Val	Ala	Asn	Lys	Gly	Pro	Val	Ser	Val	Ala	Ile	Asp	Ala	Ser	His
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131	Tyr	Ser	Phe	Phe	Leu	Tyr	Arg	Ser	Gly	Val	Tyr	Tyr	Glu	Pro	Ser	Cys
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139	Asn	Gly	Lys	Asp	Tyr	Trp	Leu	Val	Lys	Asn	Ser	Trp	Gly	Leu	Asn	Phe
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VERIFICATION SUMMARY

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L:11 M:270 C: Current Application Number differs, Replaced Current Application No

L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date